

AMENDMENTS TO THE CLAIMS

This listing replaces all prior versions and listings of claims in the application.

Listing of Claims

1. (Withdrawn) A method of storing and administering storage unstable, therapeutic and nutritional agents for targeted delivery to predetermined locations in the gastro intestinal tract which includes the steps of encapsulating the storage unstable, therapeutic and nutritional agents in an encapsulant formed by combining a food grade treated carbohydrate with a water soluble food grade protein.
2. (Withdrawn) A method as defined in claim 1 in which the carbohydrate material is treated to make emulsions of the encapsulant material stable and to increase the number of sugar reducing groups in the carbohydrate.
3. (Withdrawn) A method as defined in claim 1 in which the carbohydrate is selected from those containing reducing sugar groups, oligosaccharides, raw, modified, resistant, acetylated, propionylated and butylated starches.
4. (Withdrawn) A method as defined in claim 1 or 3 in which the protein is selected from milk proteins including casein and whey proteins
5. (Previously Presented) An encapsulation material for use with therapeutic and nutritional agents that are storage unstable, comprising (i) a carbohydrate treated to make emulsions of the encapsulation material stable and to increase the number of sugar reducing groups in the carbohydrate and (ii) a water soluble food grade protein, wherein the encapsulation material is formed by combining the carbohydrate with the water soluble food grade protein, and wherein the encapsulation material releases the therapeutic and nutritional agents in predetermined locations in the gastrointestinal tract.
6. (Canceled).

7. (Previously Presented) An encapsulation material as claimed in claim 5, wherein the carbohydrate is a carbohydrate containing reducing sugar groups, oligosaccharides, or raw, modified, resistant, acetylated, propionylated, or butylated starches.
8. (Previously Presented) An encapsulation material as claimed in claim 5, wherein the protein is a milk proteins.
9. (Withdrawn) An orally administrable nutritional or therapeutic product for delivery of a nutritional or therapeutic agent to the gastrointestinal tract in which the agent includes an oil or an oil soluble or dispersible component which is encapsulated in a material as claimed in claim 5.
10. (Withdrawn) A method of preparing a nutritional or therapeutic product as defined in claim 9 which includes the steps
 - a) selecting a nutritional or therapeutic oil, oil soluble or oil dispersible nutritional or therapeutic agent
 - b) dispersing a water soluble film forming protein and a treated carbohydrate in the aqueous phase
 - c) mixing component (a) with component (b) and homogenizing the mixture to obtain an emulsion
 - d) optionally drying the emulsion to obtain a powdered formulation in which the nutritional or therapeutic oil or agent is surrounded by the component (b).
11. (Withdrawn) A method as defined in claim 10 in which the water soluble film forming protein is selected from milk proteins including casein and whey proteins.
12. (Withdrawn) A method as defined in claim 10 in which the carbohydrate material is treated to make emulsions of the encapsulant material stable and to increase the number of sugar reducing groups in the carbohydrate.

13. (Withdrawn) A method as defined in claim 10 in which the carbohydrate material is selected from those containing reducing sugar groups, oligosaccharides, raw, modified, resistant, acetylated, propionylated and butylated starches.

14. (Withdrawn) A method as defined in claim 13 in which the water soluble film forming protein is selected from milk proteins including casein and whey proteins.

15. (Previously Presented) An encapsulation material as claimed in claim 5, wherein the milk protein is casein or a whey protein.

16. (Previously Presented) An encapsulation material as claimed in claim 5, wherein the emulsion is dried to form a powder.

17. (Previously Presented) An encapsulation material as claimed in claim 5, wherein the encapsulation material is made by a method comprising:

- (a) dissolving or dispersing the therapeutic or nutritional agent in an oil phase;
- (b) homogenizing the oil phase with an aqueous phase comprising said water soluble food grade protein and said carbohydrate to form an emulsion, wherein said therapeutic or nutritional agent is encapsulated by said water soluble food grade protein and said carbohydrate.

18. (New) An encapsulation material as claimed in claim 5, wherein the combining of the carbohydrate with the water soluble food grade protein comprises forming an emulsion comprising the carbohydrate and the water soluble food grade protein.